m/027/007

McCLELLAND LABORATORIES, INC.

1016 Greg Street, Sparks, Nevada 89431 (702) 356-1300
FAX (702) 356-8917

June 27, 1998

Mr. Jim Ashton
Western States Minerals
250 S. Rock Blvd., Suite 130
Reno, NV 89502

Dear Jim:

Enclosed is your copy of our laboratory order (MLI Job No. 2591) for work to be performed on the Drum/Jumbo Mine samples.

Sample preparation has been completed and Meteoric Water Mobility Procedure testwork is currently in progress. We will forward data to you as we receive it.

Thank you for allowing us another opportunity to serve you. Please call if you have questions.

Matthew A. DeBurle
Project Manager

MAD:cd
Enclosure

cc: Randy Harden

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LABORATORY ORDER # 2591

Page 1 of 2

REPORT TO:
Western States Minerals
250 S. Rock Blvd., Suite 130
Reno, NV 89502
Attention: Jim Ashton Phone: (702) 856-3339
FAX: (702) 856-1818

INVOICE:
State of Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5108
Attention: Randy Harden Phone: (801) 538-5340
FAX: (801) 359-3940

ORDER DATE	DUE DATE	CLIENT P.O. NO.	REFERENCE	NO. OF SAMPLES
05/26/98	ASAP		Drum/Jumbo Mine	32

TEST INSTRUCTIONS	ESTIMATED COST
MLI Project Managers: Clayton W. Chappell/Matthew A. DeBurle	
MLI received twenty-two (22) heap pad samples (seven LG and fifteen HG) for compositing, four Waste Dump samples for compositing, four Heap Perimeter samples and two Pond Sediment samples (barren and pregnant) for environmental characterization testwork.	
1) **Sample Preparation** - Each heap pad sample consists of three drill holes, at five foot intervals to 25 feet for a total of fifteen samples for each composite (HG2-1 and HG2-2 were drilled to fifteen feet for a total of nine samples per composite). Each drill interval will be split into quarters, labeled I, II, III and IV. Splits I and II will be bagged and saved for possible future testwork. Combine all the III samples together to make a section composite. Combine all the IV samples to make a duplicate section composite. All testwork will be performed on one section composite (III), the other (IV) will be saved for possible future testwork. From one of the section composites take a 45-50 kg split for permeability, porosity and specific retention testing, ~500g for WAD CN^- analysis crushed to 100% -3/8", ~250g for AGP/ANP determination (with S speciation) pulverized to 60M, and the remaining 10 - 15 kg will be used for MWMP testing. Four waste dump composites will be prepared as per attached spreadsheet. Each sample will be split in half and made into duplicate waste dump composites. One composite will be used for AGP/ANP determination (with S speciation) only. The Heap perimeter samples will be thoroughly blended and split for MWMP. The Pond Sediment samples will be thoroughly blended and split for WAD CN^- analysis (~500 g), and an MWMP split.	

TOTAL ESTIMATED COST (THIS PAGE)	$ 0.00
TOTAL ESTIMATED COST (ALL PAGES)	$ 35,310.00
LESS DEPOSIT	$ 0.00
BALANCE	$ 35,310.00

Note: **Samples will be disposed of 30 days following release of metallurgical report unless client notifies us otherwise.**

Client Acceptance: _____

Date: _____

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TEST INSTRUCTIONS	ESTIMATED COST
MLI Project Managers: Clayton W. Chappell/Matthew A. DeBurle	
1) **Sample Preparation** (continued)	
A. Sample Preparation (Heap Pad samples) - reimbursable estimate	
4 hours x 22 samples x $50.00/hr	$ 4,400.00
B. Sample Preparation (Waste Dump, Heap Perimeter & Pond Sediment samples) -	
reimbursable estimate - 1 hour x 10 samples x $50.00/hr	$ 500.00
C. Permeability, porosity and specific retention (AGRA Earth & Environmental) -	
22 x $370.00	$ 8,140.00
D. Static AGP/ANP w/ S Speciation (SEMI) - 26 samples x $95.00	$ 2,470.00
E. Moisture content WAD CN^- (Chemax) - 24 samples x $55.00	$ 1,320.00
2) **Meteoric Water Mobility Procedure** - 22 Heap Pad samples, 4 Heap Perimeter	
samples, 2 Pond Sediment samples. Run standard MLI MWMP procedure. Filter effluents	
through 0.45µm filter to produce extract. Submit appropriately preserved samples to	
Chemax for Profile II w/WAD CN^- analysis. Save one liter in MLI refrigerator until	
Profile II results are obtained. Determine residual moisture content of the MWMP residues.	
A. MWMP/Profile II w/WAD CN^- - 28 samples x $660.00	$ 18,480.00
3) **Report Typing & Preparation** - A formal report or tabulation is not required.	$ No MLI Charge

Note: Samples will be disposed of 30 days following release of metallurgical report unless client notifies us otherwise.

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